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(71) Applicants (for all designated States except US): THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC. [US/US]; 632 Boyd Graduate Studies Research Center, Athens, GA 30602-7411 (US). BAYLOR COLLEGE OF MEDICINE [US/US]; Office of General Counsel, Turley, Patrick, 1 Baylor Plaza, BCMC 106A, Houston, TX 77030 (US).		Published <i>Without international search report and to be republished upon receipt of that report.</i>	
(71)(72) Applicants and Inventors: BAIG, Salman [US/US]; Apartment E12, 1907 South Milledge Avenue, Athens, GA 30605 (US). DAMIEN, Raymond, T. [US/US]; 1170 Northwoods, Watkinsville, GA 30677 (US). WHITE, Arthur, Clinton [US/US]; 708 Mulberry Lane, Bellaire, TX 77401 (US).			
(74) Agent: SANDBERG, Victoria, A.; Muetting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415 (US).			

(54) Title: CYSTEINE PROTEASE AND INHIBITORS FOR PREVENTION AND TREATMENT OF NEUROCYSTICEROCOSIS**(57) Abstract**

A *Taenia* cyst wall cysteine proteinase and inhibitors thereof. Also included are pharmaceutical compositions and vaccines for treatment of *Taenia* infection; methods of inhibiting the activity of a cyst wall cysteine proteinase, and computer-assisted methods for identifying inhibitors of cyst wall cysteine proteinase activity.